

Title (en)
GAS FIRED RADIANT EMITTER

Title (de)
GASBEHEIZTER WÄRMESTRAHLER

Title (fr)
ÉMETTEUR RADIANT À GAZ

Publication
EP 3097355 B1 20180704 (EN)

Application
EP 15700221 A 20150112

Priority

- EP 14290005 A 20140123
- EP 2015050405 W 20150112
- EP 15700221 A 20150112

Abstract (en)
[origin: WO2015110303A1] Gas fired radiant emitter(100)comprising a premixing chamber(110)for preparing a premix of gas and air; a perforated ceramic plate(120)acting as burner deck; and a pilot burner(130)comprising a premix gas supply flow tube (140)and two electrodes(160, 170). The premix gas supply flow tube (140) of the pilot burner(130) extends from the side of the perforated ceramic plate (120) where the premixing chamber(110)is located, into a through hole(180)in the perforated ceramic plate(120). The premix gas supply flow tube(140)has a gas exit in the through hole(180)in the perforated ceramic plate(120)or at the combustion side of the perforated ceramic plate(120). Means(192, 194)are provided so that in an area of the perforated ceramic plate(120)around where the premix gas supply flow tube extends(140)into athrough hole(180)in the perforated ceramic plate(120),no premix gas flows through the perforated ceramic plate(120).

IPC 8 full level
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CPC (source: EP US)
F23D 14/12 (2013.01 - EP US); **F23D 14/145** (2013.01 - EP US); **F23D 14/16** (2013.01 - EP US); **F23D 2900/11401** (2013.01 - EP US)

Citation (opposition)
Opponent : Voith Patent GmbH

- DE 4329194 A1 19950302 - G & S WAERMETEC GMBH [DE]
- EP 0681143 A2 19951108 - QUANTUM GROUP INC [US]
- US 2012294595 A1 20121122 - VELTROP LOREN [US], et al
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- DE 3382816 T2 19980205 - KRIEGER CORP [US]
- ANONYMOUS: "Krieger's new K 10000 pilot emitter", KRIEGER INFO-NEWS, no. 7, 4 June 2004 (2004-06-04), pages 1, XP055580923

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